

# ***Interactive comment on “Current, steady-state and historical weathering rates of base cations at two forest sites in northern and southern Sweden: A comparison of three methods” by Sophie Casetou-Gustafson et al.***

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Answer to referee 3: We would like to thank the referee for helpful comments. Different orientation of Fig. 1 and Fig. 5 with depth in the vertical axes: We think that it is ok to keep the figures as they are since the main interest is to show that the concentration/ratios are rather stable. Supplementary data: We do not understand what the referee means by “Unfortunately I did not find captions for Supplementary data.”, but it might be that he did not have access to the supplementary material. We did however upload it in the submission process, so it should be available. With regard

to the short comments: We will correct for minor flaws in the text. With regard to the referee comment about soil water sampling (i.e. “I am surprised that the soil water was collected only 2-3 times a year”): Normally we have only two sampling occasions per year. The third one is really infrequent. During the 13 years of measurements used in this study soil moisture was sampled once in the spring and once in the fall each year. We could make a supplementary figure to show BC for this period and to compare with the drainage flux.

With regard to all other short comments: We will correct for these minor flaws in the text. Figure 4: We do not think that a removal of site names will improve the figure.

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